

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/003319

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C27/14 C07C47/04 C07C31/04 B01J23/42		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C B01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	OLAF DEUTSCHMANN ET.AL.: "FORMAL TREATMENT OF CATALYTIC COMBUSTION AND CATALYTIC CONVERSION OF METHANE" CATALYSIS TODAY, vol. 46, 1998, pages 155-163, XP002320964 page 158, left column, lines 18-19;	1-21
A	US 4 082 699 A (PETROW ET AL) 4 April 1978 (1978-04-04) claims 1-7; examples 1-17	19-21
A	EP 0 934 774 A (MAZDA MOTOR CORPORATION) 11 August 1999 (1999-08-11) paragraph '0042!	19-21
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "G" document member of the same patent family		
Date of the actual completion of the international search 11 March 2005		Date of mailing of the international search report 23/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Kleidernigg, O

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Information on patent family members

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US 4082699	A	04-04-1978	US 3992331 A	16-11-1976
EP 0934774	A	11-08-1999	JP 11285644 A	19-10-1999
			DE 69902063 D1	14-08-2002
			DE 69902063 T2	06-03-2003
			EP 0934774 A2	11-08-1999
			ES 2180234 T3	01-02-2003
			US 6171999 B1	09-01-2001